

<213> Pinus taeda

<400> 142

aggtgaccgt gatagacccc aagaaaaata gatccaaccc tcagagggac aaagacttat 60
 aaagactaga agagtgaatc aacctattct atttagaata tatattttg gggtgcttgc 120
 ttatcgaaaaat gggggtaat gtatgtcgta ctacggctt atgccctaatttgc 180
 aatatcaacta aattgacagt aaccgactaa aagttggtcc acactaagat atcgatgacc 240
 aacgatcata aagggtgtcca tgatcctaatttgc tcaattaatg taacttttgt 300
 gctacaacat aaaaccattc gtggggatcc tccttttat gcggtcaccc 350

<210> 143

<211> 346

<212> DNA

<213> Pinus taeda

<400> 143

aggtgaccgt gggaccgacc ttgactacag gccaaaattt tgactgttgc ccagcggttca 60
 cttctgtatt tttgggttggt atgagcaaca ttgacttgct ggaaatttgc cagggtttgc 120
 tgggtatttgg acttggattt tggcacagat ttcttagacaa tttgtatgg taaaccttac 180
 agaagaataa ttatcgaaag aagaaaaatg cttaggttcc cctcaagttt gggtttccca 240
 agggaaaaat tgggttccca atgggttgaat ttccaaagg tctcctaacc cgacaataacc 300
 tcctaagaat tccttaattt aacctttctt gtttcacgg tcacct 346

<210> 144

<211> 335

<212> DNA

<213> Pinus taeda

<400> 144

aggtgaccgt gaaggaggcag caacaattt gttttgtttt ggttagatcg ggattttctc 60
 gtggaaacata cctgatttag tataaactaa gtcaaggatc tttgttgc aaattacttg 120
 ctcctcagta actactctgg ccttagctac atcctcagtg atcttggta gtaagatatt 180
 tacaaaccat tcagctaaga tctgatccgg gatataaact ttcaactaac gtcgtcgacg 240
 tctccattca tggatatgtat ctgaaatgtt agtggacgtt gactgctta acgaagttaa 300
 taattctgtt ccattttcat atctgacggt cacct 335

<210> 145

<211> 344

<212> DNA

<213> Pinus taeda

<400> 145

aggtgaccgt acctaattggg aagacacttc aaggtaaaaa caaatcatga tagtcttaaa 60
 taccttttag aacaaagatt atattcagaa caacttgctg gaagtgtacc aagatgact 120
 ggtatttgaga ctttagatctt cgcacagatt tcaagacaat ttgttggtagt aagactcact 180
 cacgaaaaatg gatgtggata tgaagaactt ccctgtcgcc tcttggtagt gagtctccca 240
 ctcatagggaa ttgtgttaact tataacttgg tccactaaag aagtttaggtt cagtggttc 300
 cttaaccagg ttccctgttg taacttacaa atctacggct acct 344

<210> 146

<211> 288

<212> DNA

<213> Pinus taeda

<400> 146

aggtgaccgt cactggaggt ttgagatgt tgatcggtac tgaaatgaga catgatcaga 60
 ataggacctt gttgaggccg tgtctcaccc cccatccaca atctttgtt attttgagtt 120
 tcgttttagaa catacttgcg ggataaaaact taccttactc atggatcatg gctgtatatg 180
 tttatcgacc agagacagat atgccgaatg aaagcgagtc tagtattcta atgaatata 240
 ttggtagtat gggacatgt actgaacact tgtatgtac ggtcacct 288

<210> 147

<211> 288

<212> DNA

<213> Pinus taeda

<400> 147

aggtgaccgt ggtctcagtt atgccatatg tccgcccctc catatgatgc tccgcctcta 60
 tgggggtctt tgcgtatgtt atatctatgt gtacttcttg tcctattgca gcaacctgt 120
 ctggtgttgg tggtggttat gggtctccta cgcgatggag atatgagaca cccataggtc 180
 gaacaggctt aatatctgga atccaacgct atttggatgtt gaagaaaacgt tgctccgtc 240
 ctttagctt ggctggtcac tatccttacg ctccacgtac ggtcacct 288

<210> 148

<211> 208

<212> DNA

<213> Pinus taeda

<400> 148

aggtgaccgt tggaaatgc aatacctctc gtccaggtat attcaacttg agggacagag 60
 ccaagtggaa tgcgtatggat tcacttaaag ataaaaacccc cgagtctgcc atgaaagatt 120
 acatcaactaa ggttaaacag ctacaagaag tagcatgtat ccattgtatc cccttccct 180
 gcctcttcta ttatcgtac ggtcacct 208

<210> 149

<211> 197

<212> DNA

<213> Pinus taeda

<400> 149

aggtgaccgt caaggcaaag tgcgtatgcca ctcattggaa ttagttaata tagctaattt 60
 gagatattac agtcaactgt gggtataatgt atgtgagatc aaggtgcagt ttagatatta 120
 tcagtgggtgc agtttagata ttatcgtatgt ttgtaatct gcatactgtc tttgggttgt 180
 tctaactacg gtcacct 197

<210> 150

<211> 527

<212> DNA

<213> Pinus taeda

<400> 150

aggtgaccgt agacatataat catggaaaac ccaagtaaca tacaaacaca aaacacatgg 60
 aaacttcata aaacacctccac tcgtcataag ctttattgt atgttatgtt ggtgttgcatt 120
 cgtacttagt ggaggttatt gttatgttatt gtgttctatt tcctcccgaa acgcccttcg 180
 gaattgagct aaccgtgggtt aacaacatgt gggcttttt tctcgacagt atatatataa 240
 taaatctta ttttttaaa aactaatgtt attgcattta tataactggaa aaaatgattt 300
 ttcttgatt atcgaaaata ataattgtt ttcttgataa tcacttgaa ttaagaaaatt 360
 acaaacccta acaacatcaa gaaattttaa aacacataag ctagaaattt taaaacacat 420

aagcgtgaca acaagaagat caaatcta atcttgcttgg gccggagatt atggattcat 480
 gaagcgatt gacagcgtcc attgatctc ctctccccacg gtcacct 527

<210> 151
 <211> 171
 <212> DNA
 <213> Pinus taeda

<400> 151
 gggggtaggg gtgttatac tgagcatact tcgaaagtgg ttcaccacca ccatgatgac 60
 taattgttcc tgactttgg agacctataa taaattccat agaaacctcc gtccatattg 120
 atgccgaat gggcaacggg tgtaatgtgc ctggacttt gacggtcacc t 171

<210> 152
 <211> 412
 <212> DNA
 <213> Pinus taeda

<400> 152
 aggtgaccgt tggaaatgc aatacctctc gtccaggat attcaacttg agggacagag 60
 ccaaagtggga tgcataatgc tcacttaaag ataaaaacccc cgagtctgcc atgaaagatt 120
 acatcaactaa ggttaaacag ctacaagaag tagcatgatg cctagacaaa tagcttgct 180
 caacacatcc tgatagtgta cactaaatcg cacaactta ctactacaaa gaaagatcgt 240
 tgacaccctt acaaatacg ttgctcaaca catcccaaca atttgatgg cgaataccga 300
 ctccaatttg tacttgatcc atatgtcgtt gcgatgtact agttcctcta tacatatgtt 360
 tctgcaagaa tcggagttgg acctcttctt ccctgttatac agcacggta ct 412

<210> 153
 <211> 409
 <212> DNA
 <213> Pinus taeda

<220>
 <221> modified_base
 <222> (307)
 <223> a, t, c, g, other or unknown

<400> 153
 aggtgaccgt ggataagaga acgcttgcc gactctctgg gatgcccttc cctccatagc 60
 cgtcggtggga ggacagagct ccggaaatc ctctgtgtg gagagcatcg ttgaaaggga 120
 ttttttacccg cgtggatcg gtattgttac tagacggccg cttgtccttc aacttcacaa 180
 gactgatgaa ggcagcaggg attacgcccga attccottcac caacccagaa agacatacac 240
 cgactttgca ctggtaagga acgaaattgc ggatgagact gatcgaatta catggcgtgc 300
 caagcanagt ctcaagtgtc ccaattcacc ttaatattt ttcacccaaat gttgttaatt 360
 tgactcta at tcatcttcgg gttgacaaa attgttattt acggtaact 409

<210> 154
 <211> 241
 <212> DNA
 <213> Pinus taeda

<400> 154
 aggtgaccgt tggaaatgc aatacctctc gtccaggat attcaacttg agggacagag 60
 ccaaagtggga tgcataatgc tcacttaaag ataaaaacccc cgagtctgcc atgaaagatt 120